

**Notice of Allowability**

Application No.

10/055,546

Examiner

VAN H. NGUYEN

Applicant(s)

BROWN ET AL.

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Appeal Brief filed 11/06/2006 and the telephonic interview on 06/11/2007.
2. ☒ The allowed claim(s) is/are 6, 8-10, 12, and 13 (now renumbered as 1-6).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

1. This communication is responsive to the Appeal Brief filed 11/06/2006 and the telephonic interview on 06/11/2007.

Claims 6, 8-10, 12, and 13 are pending in this application. With this Examiner's amendment: claims 6 and 10 have been amended; and claims 1-5, 7, and 11 have been cancelled.

2. **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Scott D. Paul (Reg. No. 44,984) on 06/11/2007.

**The application has been amended as follows:**

**In the Claims:**

**(a) All previous copies of claims 6 and 10 have been replaced with the following clean copy of claims 6 and 10 as amended by the Examiner's amendment:**

**Claim 6.** In a multi-protocol object distribution system, a remote procedure call (RPC) processing method comprising:

- receiving an RPC request for services from a distributed object in a server in the multi-protocol object distribution system;
- establishing a communicative link with said distributed object using a default RPC transport mechanism, and querying said distributed object over said communicative link for other RPC transport mechanisms which are supported by said server;
- selecting one said other RPC transport mechanisms and re-establishing said communicative link with said distributed object using said selected RPC transport mechanism;
- processing said RPC request for services from said distributed object over said re-established communicative link;
- detecting a deterioration in communications over said re-established communicative link;
- further re-establishing said communicative link with said default RPC transport mechanism; and

continuing to process said RPC request for services over said further re-established communicative link.

**Claim 10.** A machine readable storage having stored thereon a computer program for performing remote procedure call (RPC) processing in a multi-protocol object distribution system, the computer program comprising a routine set of instructions for causing the machine to perform the steps of:

receiving an RPC request for services from a distributed object in a server in the multi-protocol object distribution system;

establishing a communicative link with said distributed object using a default RPC transport mechanism, and querying said distributed object over said communicative link for other RPC transport mechanisms which are supported by said server;

selecting one said other RPC transport mechanisms and re-establishing said communicative link with said distributed object using said selected RPC transport mechanism;

processing said RPC request for services from said distributed object over said re-established communicative link;

detecting a deterioration in communications over said re-established communicative link;

further re-establishing said communicative link with said default RPC transport mechanism; and

continuing to process said RPC request for services over said further re-established communicative link.

(b) **Claims 1-5, 7, and 11 have been cancelled.**

3. **REASONS FOR ALLOWANCE:**

Claims 6, 8-10, 12, and 13 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in independent claims 6 and 10.

The features as recited in independent claims 6 and 10 "*establishing a communicative link with said distributed object using a default RPC transport mechanism; selecting one said other RPC transport mechanisms and re-establishing said communicative link with said distributed object using said selected RPC transport mechanism; detecting a deterioration in communications over said re-established communicative link; further re-establishing said communicative link with said default RPC transport mechanism; and continuing to process said RPC request for services over said further re-established*

*communicative link*", when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a method for processing a remote procedure call in this specific environment, would have integrated or modified to teach the method for processing a remote procedure call in a multi-protocol object distribution system including the specific features as recited in the context of independent claims 6 and 10.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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**CONTACT INFORMATION**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

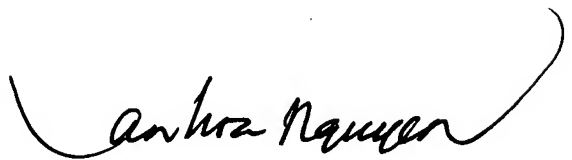
The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**

Commissioner for patents  
P O Box 1450  
Alexandria, VA 22313-1450



*Van H. Nguyen*  
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